

UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Guenter Ries
Application Number: Unassigned
Filing Date: Concurrently Herewith
Group Art Unit:
Examiner:
Title: LINEAR DRIVE DEVICE PROVIDED WITH AN
ARMATURE BODY HAVING A MAGNET CARRIER

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. 1.98, I am submitting a completed "INFORMATION DISCLOSURE STATEMENT BY APPLICANT" (*Form PTO/SB/08A*) with patents and/or publications as delineated therein attached.

JP2000-253640 discloses a linear vibration motor 10 is provided with a stator core 18 constituted of a first magnetic material core 12 having a coil 14 and a second magnetic material core 16 which is arranged facing the core 12 interposing a magnetic air gap 20, and a movable magnet body 22 which is arranged in the magnetic air gap 20 and capable of displacement in the axial direction. The movable magnet body 22 consists of permanent magnets 24, 26 divided into a plurality of segments and insulating thin plates 28 arranged between the divided magnets.

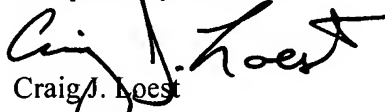
JP1-190979 discloses steel plates 31-38, which are ferromagnetic metal plates, are mounted to respective magnetic pole surfaces of permanent magnets 10-13. In this way, a diamagnetic field performs bypassing by the ferromagnetic metal plate when a power source is turned on in the cold time, because a generation region of the diamagnetic field is dispersed, the permanent magnet is prevented from its demagnetization. Accordingly, a decrease of power can be inhibited in an electromagnetic blower when it is started in the cold time.

JP1-308161 discloses a moving coil type force motor is fitted with first and second yokes 51, 52 arranged in the manner of facing each other, and said first yoke 51 is provided with first magnets 53, 54 and said second yoke 52, with second magnets 55, 56. Also, a moving flat coil 57 is arranged in the magnetic gap between the first magnets 53, 54 and second magnets 55, 56. Further, magnetic plates 58-61 are arranged on respective facing surfaces of the first and second magnets 53-56 so that said magnetic plates cover said opposed faces. Thus, said magnetic plates 58-61 can decrease the nonuniformity of flux density in the central part and at both ends of the range of operation of said moving flat coil 57.

JP2002-31054 discloses the linear compressor 10 includes a motor unit 16 having a linear motion part 14 for driving a piston shaft 12 in the axial direction and a cylinder 22 to receive a piston 18 fixed to the shaft 12 outside the motor unit 16 about its axial direction so that a compression chamber 20 is formed, and five ring-shaped leaf springs 58 are installed around the cylinder 22 in such a way as apart at certain intervals in the axial direction, and the inner edges 58a of these leaf springs 58 are screwed fast to a disc part 38a of the linear motion part 14 while their outer edges 58b are fixed to a stationary housing 36 of the motor unit 16.

If no translation of pertinent portions of any foreign language patents or publications mentioned within the "INFORMATION DISCLOSURE STATEMENT BY APPLICANT" is included with the aforementioned copies of those applications, patents and/or publications, it is because no existing translation is readily available to the Applicant. As per the Notice in 1273 OG 55 (August 5, 2003) no copies of any above-mentioned US patents and US patent application publications are submitted for this application which was filed after June 30, 2003.

Respectfully submitted


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August 29, 2006

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	Unassigned
Filing Date	Concurrently Herewith
First Named Inventor	Guenther Ries
Art Unit	
Examiner Name	
Attorney Docket Number	2005P00316WOUS

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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ² *Number ⁴ *Kind Code ³ (if known)	MM-DD-YYYY			
		JP2000-253640	09/14/2000	Togashi Hitoo et al		
		JP1-190979	08/01/1989	Nakano Yasumasa et al		
		JP1-308161	12/12/1989	Katahara Hisatoshi		
		EP 1 176 703	01/30/2002	Masaaki Tanozaki et al		✓
		JP2002-31054	01/31/2002	Hojo Mikio		
		International Search Report PCT/EP2005/050956				✓

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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